

Survey of Probability Attitudes (SPA)

We adapted the Survey of Attitudes Toward Statistics-36 (SATS-36).

I will like statistics.



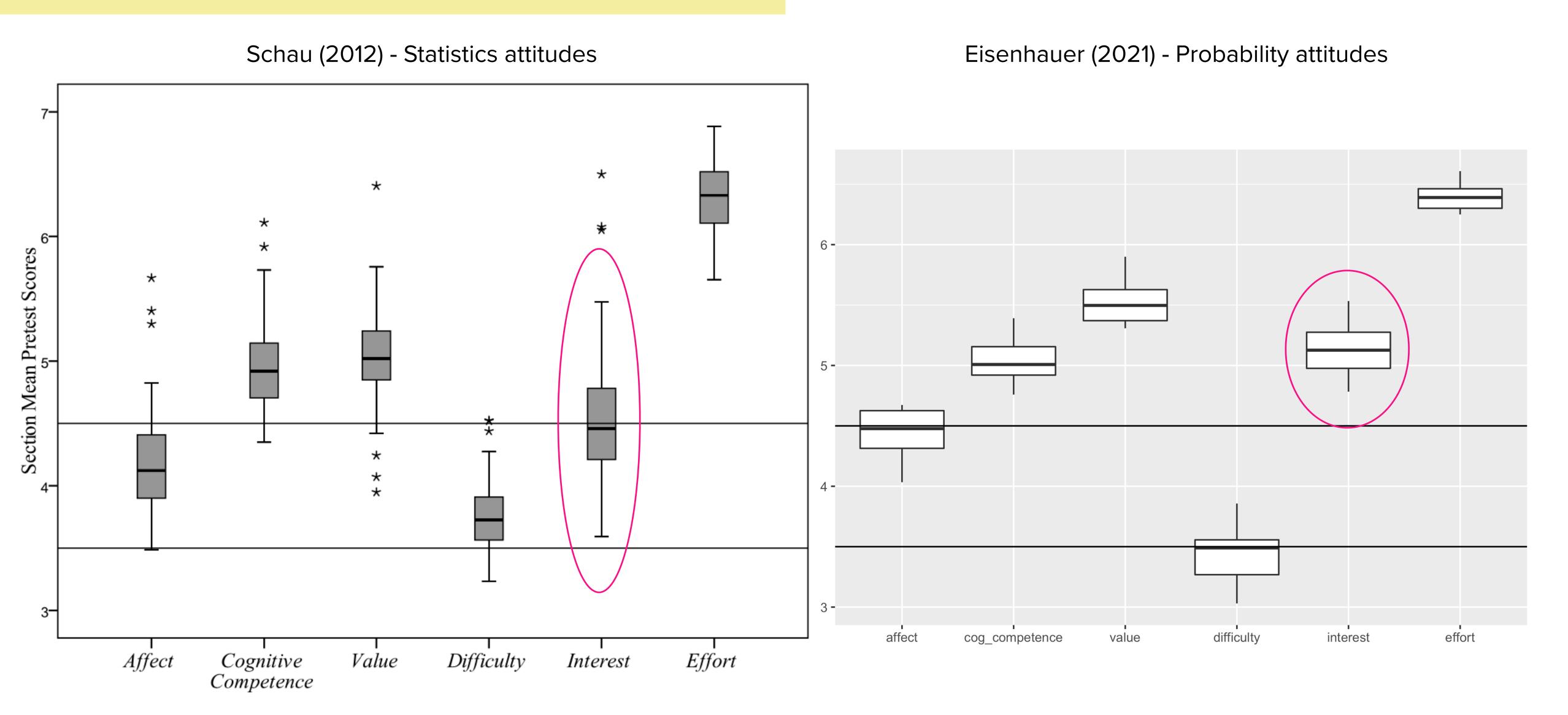
I will like probability.

Updated demographic questions and added open ended questions.

Used instructor input and think alouds to make decisions.

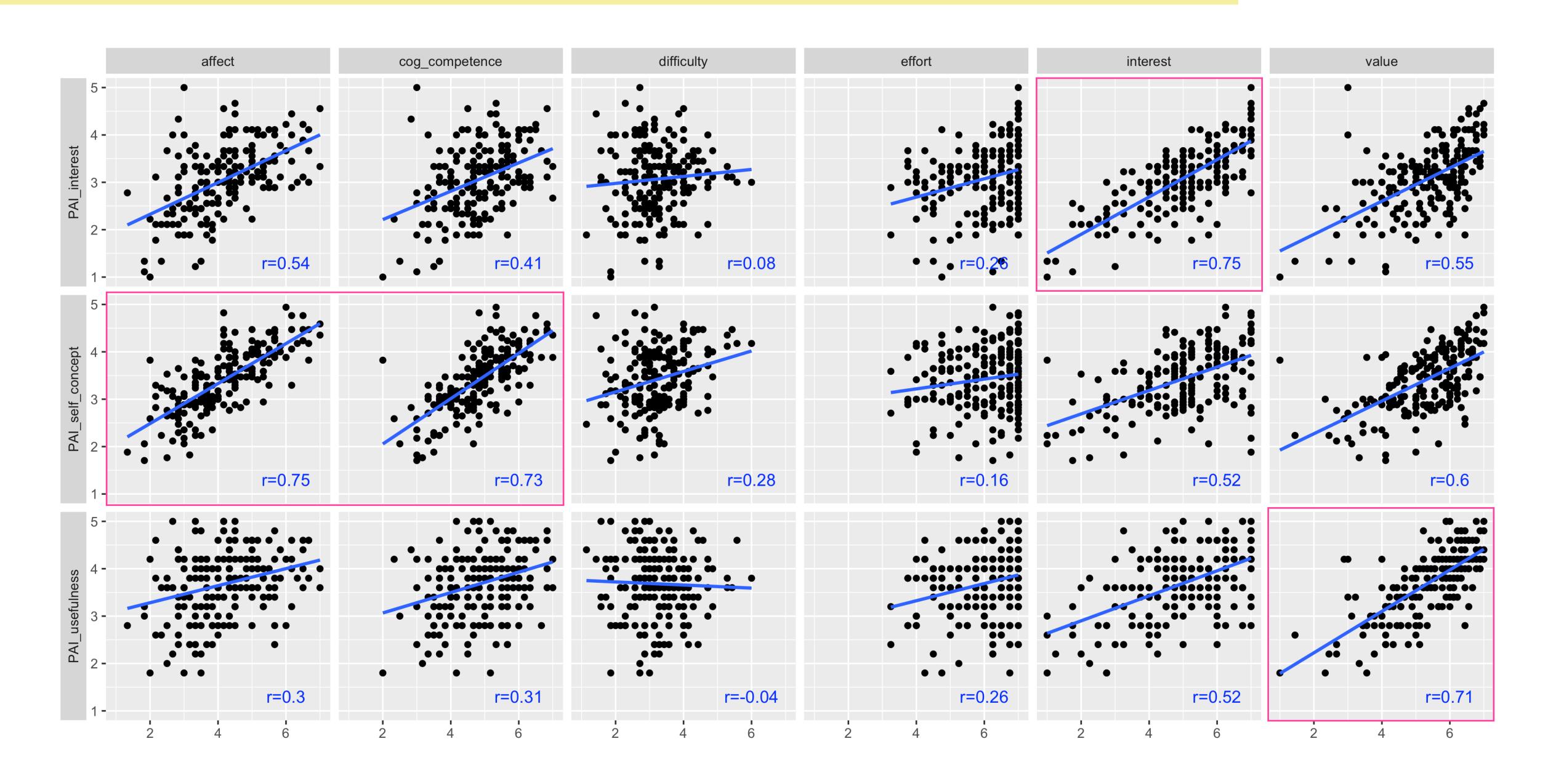
Administered to 13 Penn State probability sections (396 students fully participated).

Functions similarly to the SATS-36

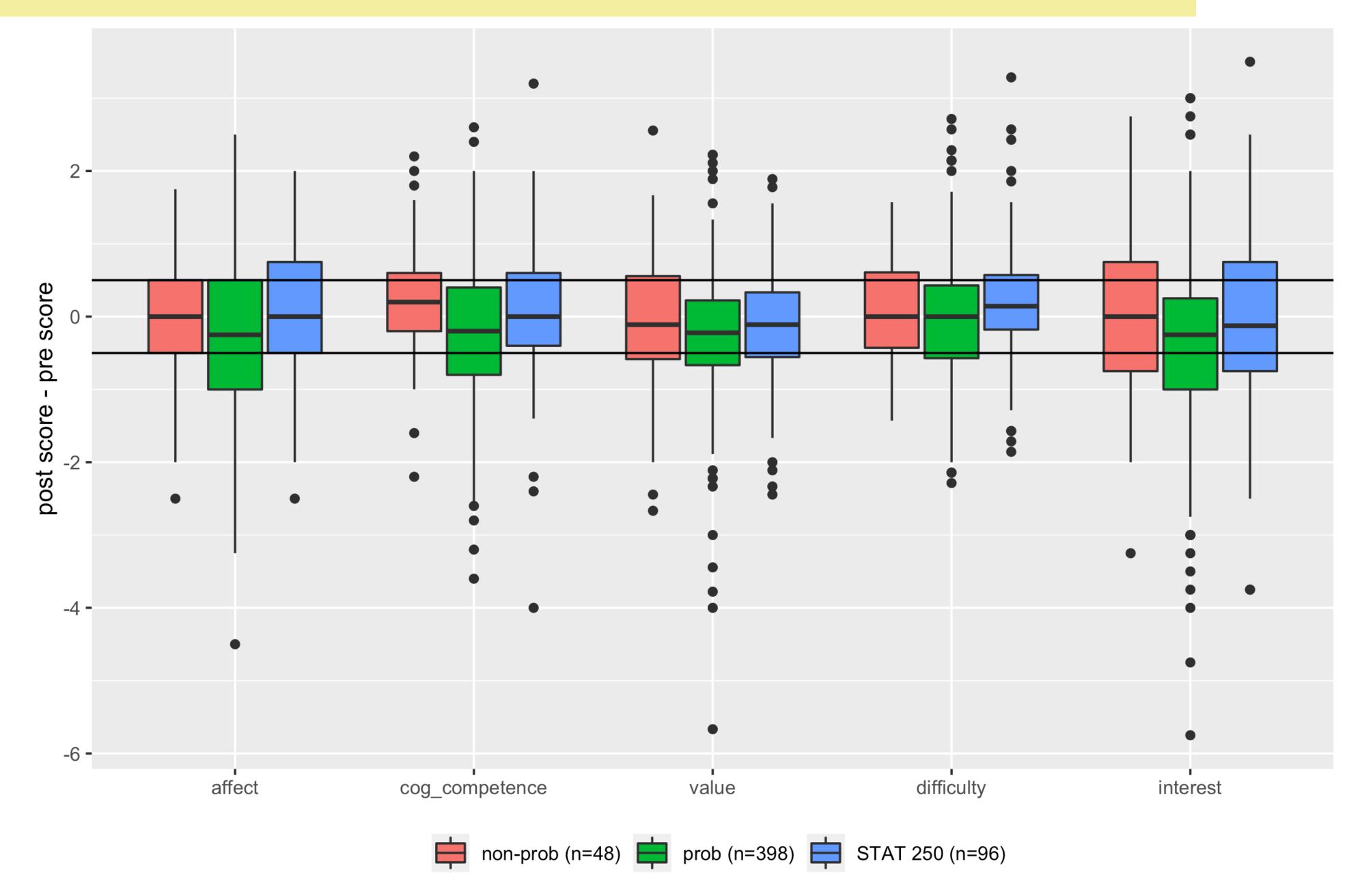


Students who took our pre survey seemed to find probability more difficult and were more interested in the subject. This is compared to the introductory statistics students Schau surveyed on their statistics attitudes.

Correlated with existing Probability Attitude Inventory (PAI)



Comparing to students not taking probability courses



Explored the structure of the SPA using CFA and EFA.

Propose a revised structure, eliminating and reassigning several items.

The SPA could be a **tool for researchers interested in improving probability courses** in the same way that the SATS-36 has been for statistics courses.

For more information, please reach out to:

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